

39. **Sports** In the 1988 Olympics, Florence Griffith-Joyner of the United States won the women's 100-meter run in 10.54 seconds. In 2000, Marion Jones, also of the United States, won with a time of 10.75 seconds. Find the percent of change in the winning times. Round to the nearest percent.

increase

$$\frac{x}{100} = \frac{.21}{10.54}$$

$$x = 2\%$$

42. **Critical Thinking** An item costs \$64. The price is increased by \$10, then reduced by \$10. Is the percent of increase equal to the percent of decrease? Explain your answer.

$$\frac{X}{100} = \frac{10}{64}$$

Percent of Increase

$$X \approx 16\%$$

$$\frac{16}{100} = \frac{X}{74}$$

\$74 now

$$\frac{X}{100} = \frac{10}{74}$$

$$X = 14\%$$

$$\frac{X}{100} = \frac{5}{74}$$

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